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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/532,359	10/31/2005	Leong Loke Ng	ISA-035.01	1567	
63767 FOLEY HOAC	7590 12/06/200 7 LLP	7	EXAMINER		
PATENT GRO	UP (w/ISA)	STOKLOSA, JOSEPH A			
155 SEAPORT BOSTON, MA		ART UNIT	PAPER NUMBER		
2001011, 1111	02210 2000	·	3762		
			MAIL DATE	DELIVERY MODE	
			12/06/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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		Application	No.	Applicant(s)		
Office Action Summary		10/532,359		NG, LEONG LOKE		
		Examiner		Art Unit	- 1 -	
		Joseph Stoki		3762		
 Period for	The MAILING DATE of this communication app Reply	pears on the c	over sheet with the c	orrespondence address	•	
A SHC WHICH - Extens after S - If NO p - Failure	PRTENED STATUTORY PERIOD FOR REPLY HEVER IS LONGER, FROM THE MAILING DATE of time may be available under the provisions of 37 CFR 1.1 (IX (6) MONTHS from the mailing date of this communication. Deriod for reply is specified above, the maximum statutory period to to reply within the set or extended period for reply will, by statute the ply received by the Office later than three months after the mailing date of the place of the pla	ATE OF THIS 136(a). In no event, will apply and will e.	S COMMUNICATION however, may a reply be tim xpire SIX (6) MONTHS from tion to become ABANDONE	N. nely filed the mailing date of this communicat D (35 U.S.C. § 133).		
Status						
1)🛛	Responsive to communication(s) filed on 25 S	September 200	<u>07</u> .			
	This action is FINAL . 2b) This action is non-final.					
3) 🗌 🗄	Since this application is in condition for allowa	ince except fo	r formal matters, pro	osecution as to the merits	is	
	closed in accordance with the practice under E	Ex parte Quay	/le, 1935 C.D. 11, 4:	53 O.G. 213.		
Dispositio	on of Claims					
5)□ = 6)⊠ = 7)□	Claim(s) <u>1-3,5,8,9 and 21-23</u> is/are pending in ta) Of the above claim(s) is/are withdrated Claim(s) is/are allowed. Claim(s) <u>1-3,5,8,9 and 21-23</u> is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or	wn from cons	ideration.			
Application	on Papers					
10) 🔲 🗆	The specification is objected to by the Examine The drawing(s) filed on is/are: a) acc Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the E	cepted or b) drawing(s) be ction is required	held in abeyance. Se I if the drawing(s) is ob	e 37 CFR 1.85(a). pjected to. See 37 CFR 1.12	1(d).	
Priority u	nder 35 U.S.C. § 119					
12)□ / a)[Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority documen 2. Certified copies of the priority documen 3. Copies of the certified copies of the priority application from the International Bureasee the attached detailed Office action for a list	nts have been nts have been ority documen au (PCT Rule	received. received in Applicat its have been receiv 17.2(a)).	ion No ed in this National Stage		
2) Notic Notic Notic	t(s) e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date		4) Interview Summar Paper No(s)/Mail D 5) Notice of Informal 6) Other:	Date		

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DETAILED ACTION

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1-3, 5, 8-9, 21-23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Selker in view of Stanton (US 6,461,828).
- 3. Selker discloses a method for diagnosing cardiac medical conditions through measurement and analysis of levels of a biomarker such as creatine kinase, CK, (Col. 2, line 11), conducting an EKG measurement on patients (Col. 2, line 7), and assigning weighting factors for the biomarker and ECG results (shown by the coefficients in Fig. 4).
- 4. With regard to claim 2, Selker obtains and analyzes EKG waveforms indicative of cofactors such as ischemia and myocardial infarctions through waveform analysis, such as noting ST segment depression or shifting etc. (Fig. 3). As a result examiner interprets Selker to sufficiently meet the limitations of claim 2.
- 5. With regard to claim 3, Selker discloses the use of logistic regression techniques for the assigning weighting factors of the ECG, biomarker, and cofactor measurements, as well as a general population sample with no previous diagnosis of LVSD (Col. 5, lines 10-62; Fig. 4).

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- 6. With regard to claim 5, Selker discloses the detecting the presence of myocardial infarctions through EKG analysis (Col. 5, line 2-4).
- 7. With regard to claims 21-23, Selker discloses the diagnostic method to be performed through he use of a computer program that run off of a machine readable medium storage (Col. 3, line 54-57).
- 8. Selker fails to teach the biomarker being a natriuretic peptide, and more specifically BNP. Stanton teaches the use of natriuretic peptide markers including BNP for the diagnosis of pressure, volume change, stress to the heart, and tissue damage as set forth in Col. 4, line 16-23. It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the system as taught by Selker with the use of BNP as a biomarker since such a modification would provide the predictable results of increased confidence in diagnosing pressure, volume change, stress to the heart, and tissue damage as it relates to the heart.

Conclusion

9. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not

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mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joseph Stoklosa whose telephone number is 571-272-1213. The examiner can normally be reached on Monday-Friday 7:30-4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Angela Sykes can be reached on 571-272-4955. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Joseph Stoklosa Examiner

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GEORGE R. EVANISKO FRIMARY EXAMINER